

Applicant: Moroni, A.
Application No: 09/577,790
Docket No: 498-206
Page 2

IN THE CLAIMS:

Please amend claims 1, 11, 17 and 18 as follows:

1. (Amended) An implantable prosthesis having improved mechanical and chemical properties comprising:

a radiation resistant and hydrolytically stable biocompatible fabric having inner and outer surfaces and first and second ends;

said fabric having a textile construction of a plurality of polymeric filaments comprising a naphthalene dicarboxylate derivative, wherein said radiation resistant and hydrolytically stable biocompatible fabric is stable at a temperature of at least about 120°C.

11. (Amended) An implantable prosthesis having improved mechanical and chemical properties comprising:

a radiation resistant and hydrolytically stable biocompatible tubular fabric of a textile construction,

said fabric having a plurality of yarns selected from the group consisting of polyethylene naphthalate, polybutylene naphthalate and combinations thereof, wherein said radiation resistant and hydrolytically stable biocompatible fabric is stable at a temperature of at least about 120°C.

17. (Amended) Method for making a radiation and thermal resistant and hydrolytically stable, steam sterilizable biocompatible prosthesis comprising:

a) providing a fabric having an inner and outer surface and first and second ends, said fabric having a plurality of polymeric filaments comprising a naphthalene dicarboxylate derivative, wherein said fabric being stable at a temperature of at least about 120°C;

Applicant: Moroni, A.
Application No: 09/577,790
Docket No: 498-206
Page 3

- b) selecting a textile construction pattern; and
- c) forming said prosthesis in accordance with a textile construction pattern.

18. (Amended) Implantable prosthesis comprising a fabric having improved chemical and mechanical properties formed by the process comprising:

- a) providing a fabric having an inner and outer surface and first and second ends, said fabric having a plurality of polymeric filaments comprising a naphthalene dicarboxylate derivative, said fabric being stable at a temperature of at least about 120°C;
- b) selecting a textile construction
- c) forming said prosthesis in accordance with a textile pattern; and
- d) steam sterilizing said prosthesis.

IN THE ABSTRACT:

Please amend the abstract as follows:

Prostheses with improved chemical and mechanical properties manufactured that includes a radiation resistant and hydrolytically stable biocompatible fabric having outer and first and second ends with a textile fabric that includes a naphthalene dicarboxylate derivative polymer having the general formula: